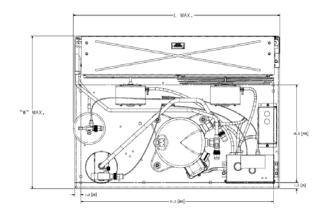
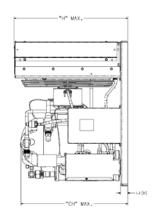
August 20, 2013 Revision: Release



## **Tecumseh Compressor Company Indoor Condensing Units**

Model: VSA9514ZNAXM BoM: 2B3274-1 R-404A 1.5 HP AIRCOOLED





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
Model	L	W	Н	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
VSA9514ZNAXM	33.8	25.0	19.5	17.7	5/8" S	3/8" S	16.5 lbs	1525	24	290
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evapo	rator T	80°F		90°F			100°F			110°F			
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
0	33.5	10000	1750	92	9400	1890	102	8700	2040	111	7900	2200	120
5	36.5	11300	1780	94	10500	1920	103	9700	2080	112	8900	2240	121
10	42.4	12600	1810	95	11700	1960	104	10800	2120	113	9900	2280	122
15	48.2	14000	1840	97	13000	1990	105	12000	2150	114	11000	2330	123
20	54.5	15500	1870	98	14400	2030	107	13300	2190	115	12200	2370	124
25	61.2	17100	1900	100	15900	2060	108	14700	2230	117	13500	2410	125
30	68.4	18800	1930	101	17500	2090	110	16200	2270	118	14800	2450	126
35	76.1	20500	1960	103	19200	2130	112	17800	2310	120	16300	2490	128
40	84.4	22400	2000	105	20900	2170	113	19400	2350	121	17900	2540	129
45	94.3	24400	2040	107	22800	2220	115	21200	2400	123	19500	2590	131

## **60 Hz Performance**

Return gas temp. 40°F Evaporator Temp. 20°F or less, 5°F sub-cooling Return gas temp. 65°F for Evaporator Temp. > 20°F, 5°F sub-cooling

## **Specifications/ Parts:**

Model	VSA9514ZNAXM					
Unit Bill of Material	2B3274-1					
Nominal Volts-Hz-Ph	208-230-60-1					
Refrigeration Range	0° to 45°					
Design Pressure Low	181					
Design Pressure High	450					
Voltage Range	187 to 254					
Min. Circuit Ampacity	16.3					
Max. Fuse Size (amps)	25					
Compressor Model	VSA9512ZNA					
Comp. Bill of Material	VS116ET-003-A4					
Compressor RLA/LRA	11.9 / 65.9					
Overload	INTERNAL					
Relay	820ARR3J50					
Run Capacitor	85PR370F17					
Run Capacitor Rating	35 MFD 370V (M) VDE					
Start Capacitor	85PS330D76					
Start Capacitor Rating	88-108 MFD 330V VDE					
Contactor	91017					
Unit Drawing	DGU1950-04					
Wiring Diagram	14949125					

Fan Motor	810F050C20 (2)
Fan Motor RLA	0.70
Fan Blade	51568-1 (2)
Fan Guard	70831 (2)
Fan Shroud	70648-2
High Pressure Switch	84095-2
Low Pressure Control	84026-2
Dual Pressure Control	N/A
Condenser	50858-1
Headmaster Valve *	N/A
Check Valve *	N/A
Receiver Tank	51081-1
Liquid Valve	31581-1
Liquid Filter *	N/A
Sight Glass *	N/A
Suction Valve	31531-1
Rotolock Valve Gasket	30233
Discharge Valve *	31527-2
Suction Filter *	N/A
Accumulator	TK00042000
Crankcase Heater *	N/A
Defrost Timer *	N/A
* = Outdoor Units Only	
Options for Outdoor Units	
Receiver Heater	N/A
Solenoid Valve	N/A

## **Electrical Diagram**

